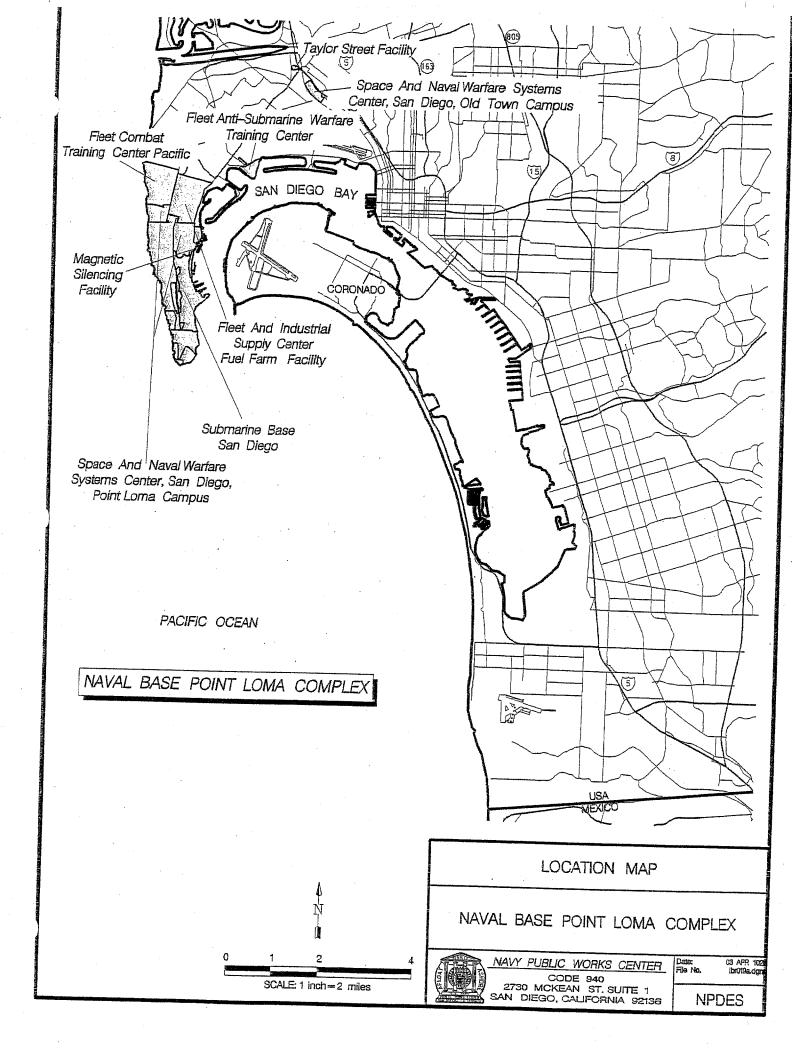
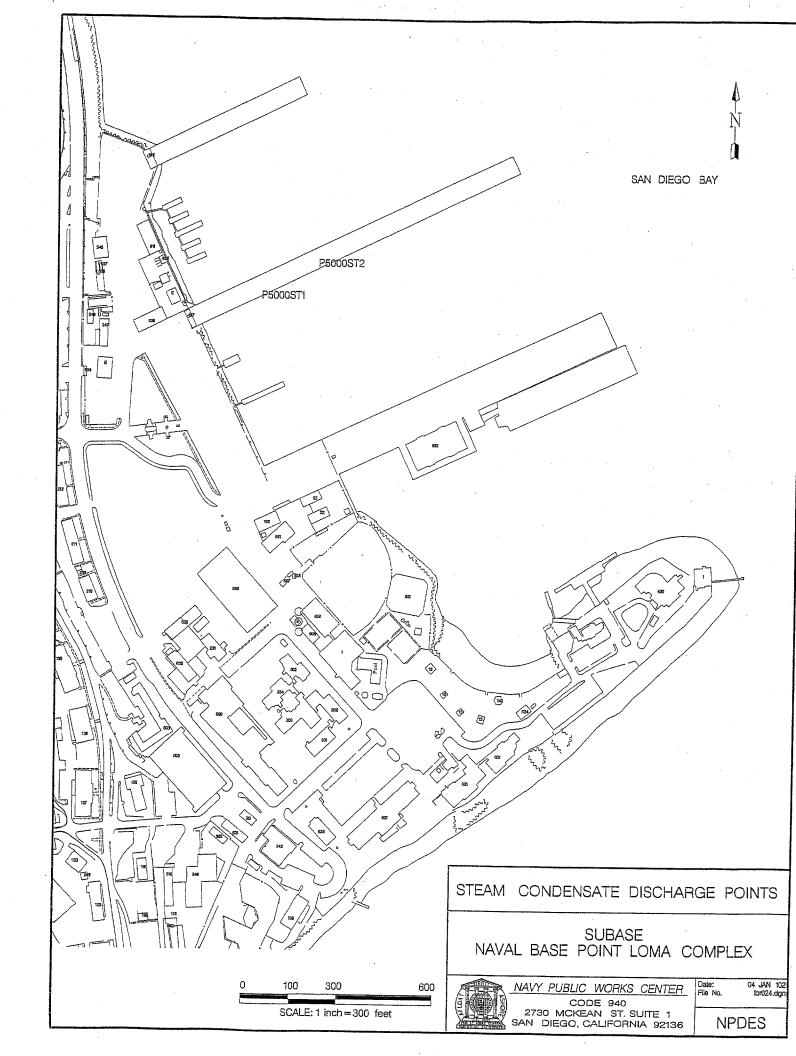
# Attachment A

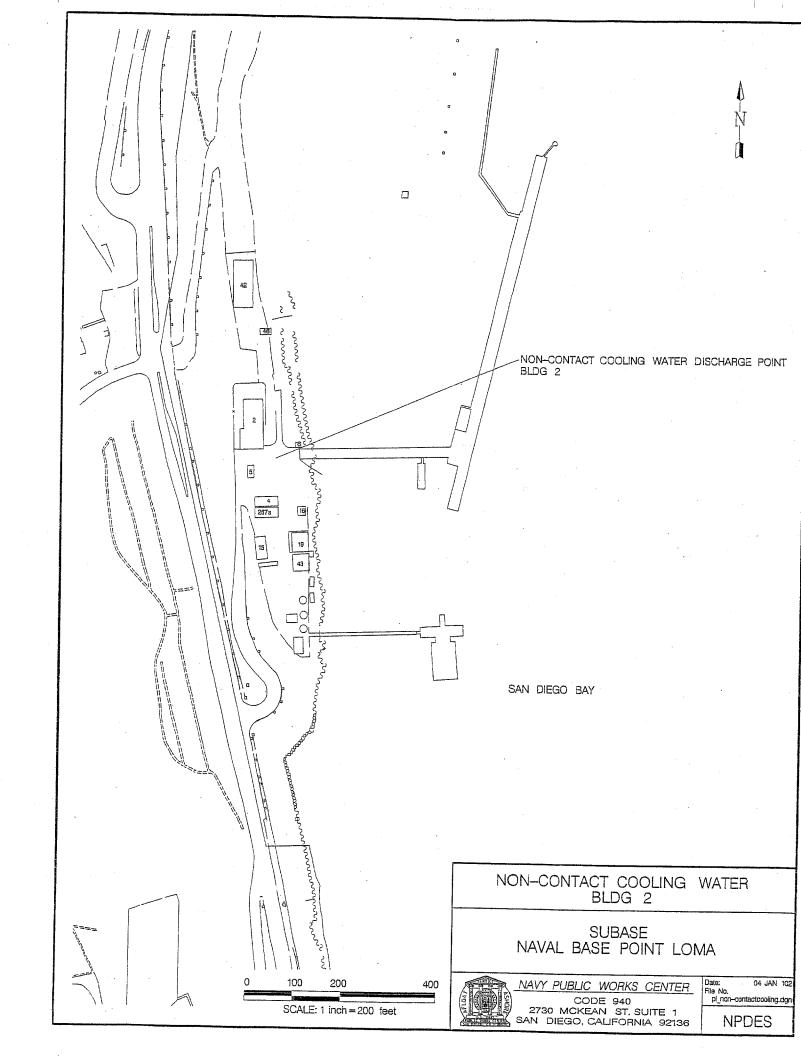
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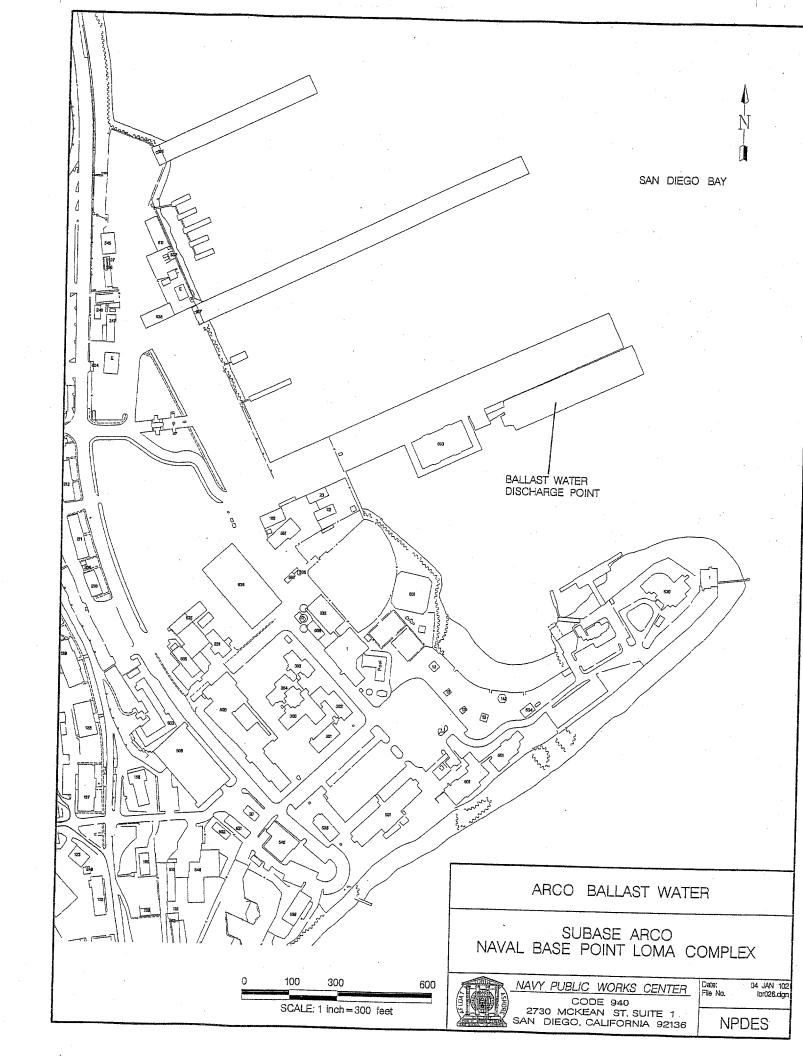
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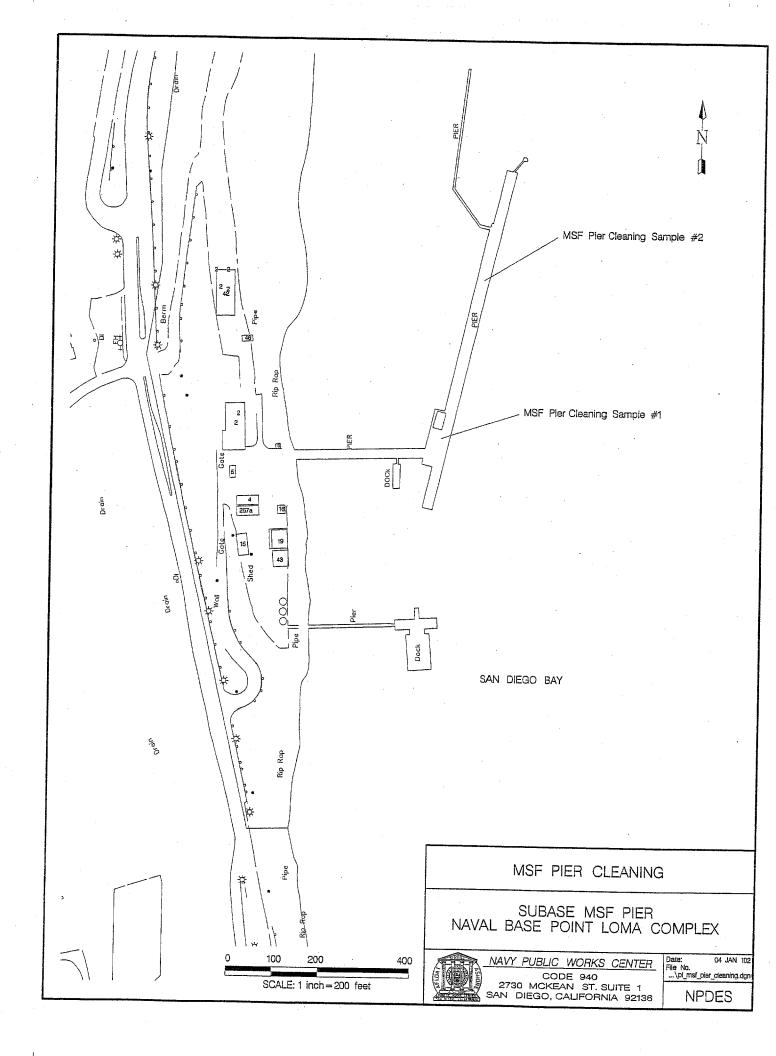
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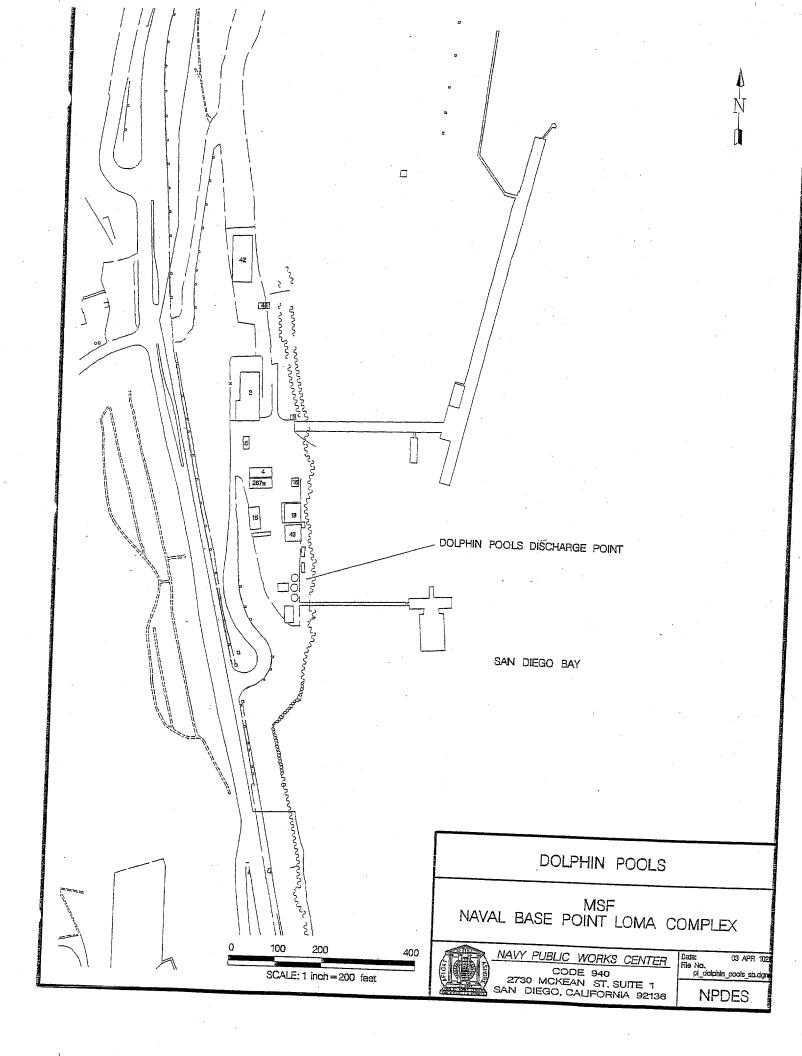


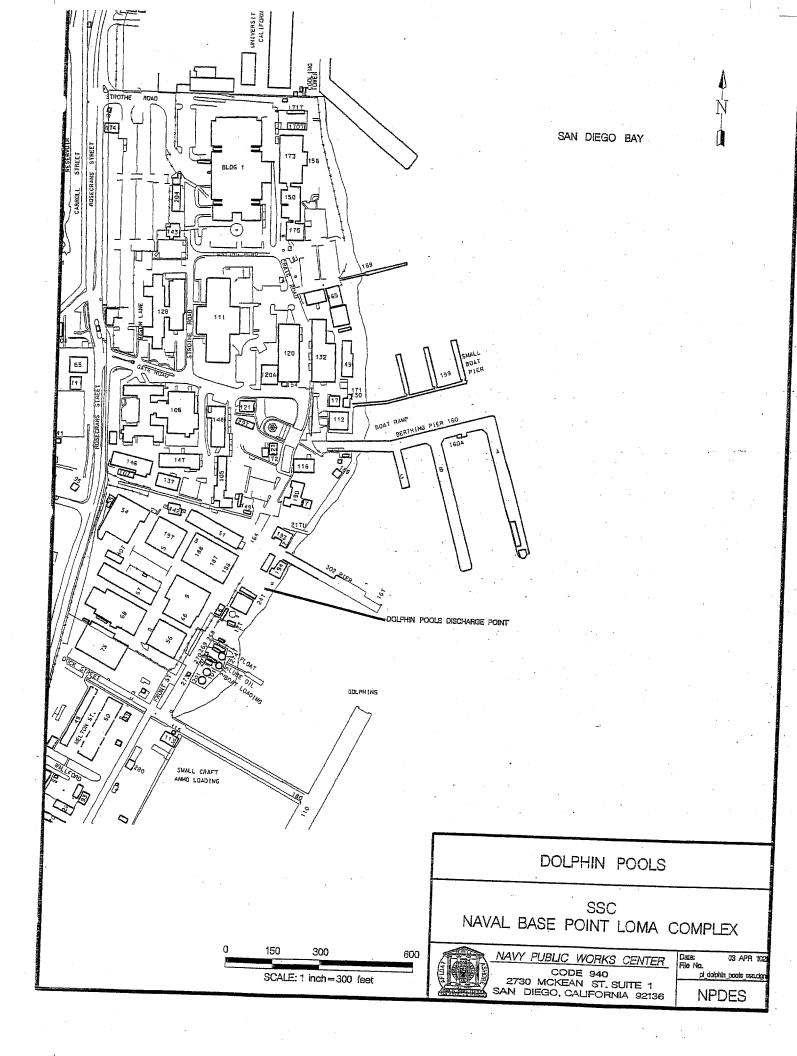


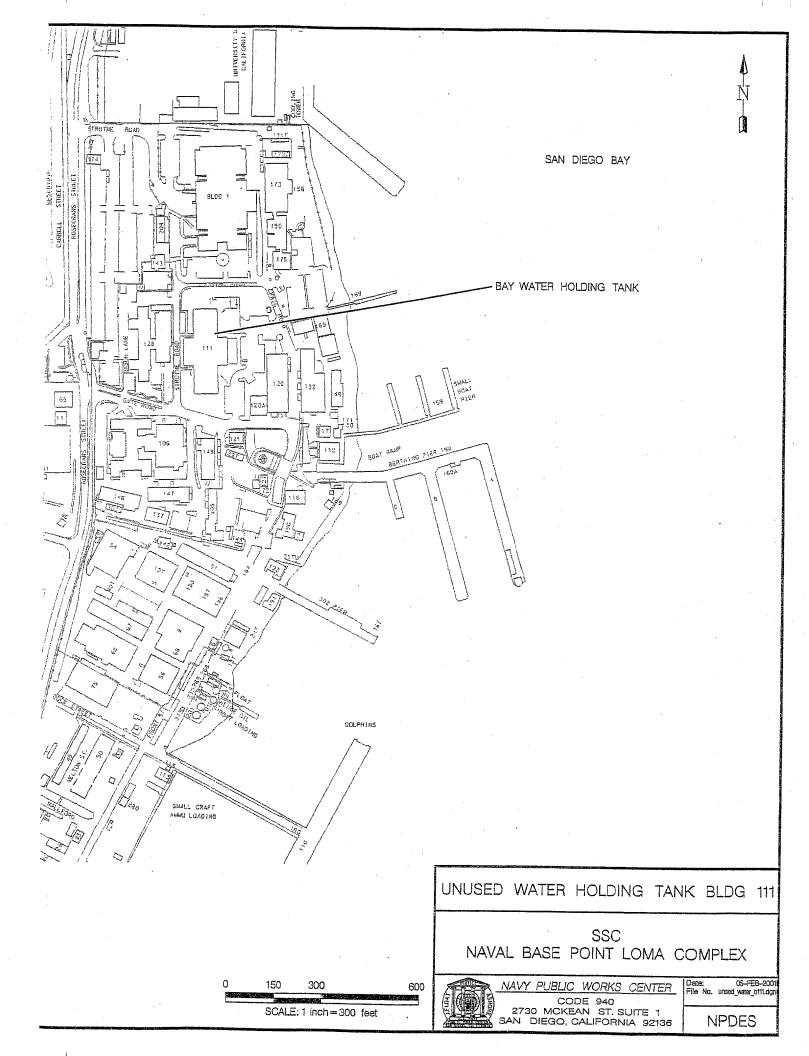


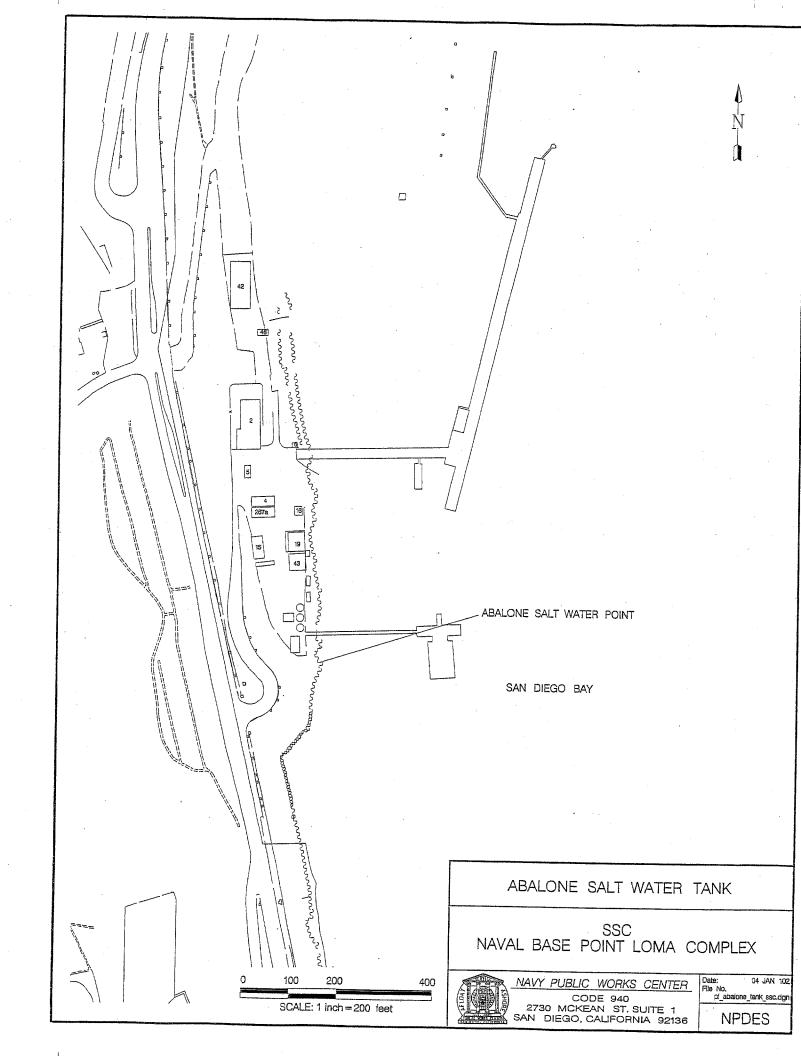


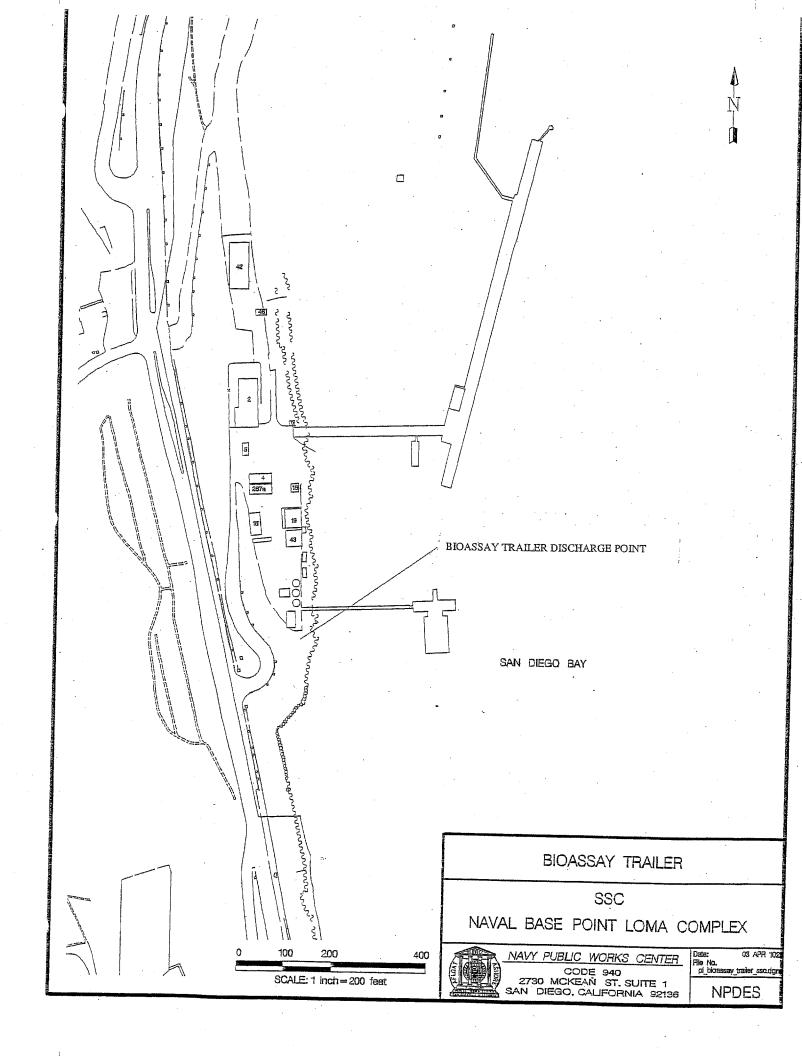


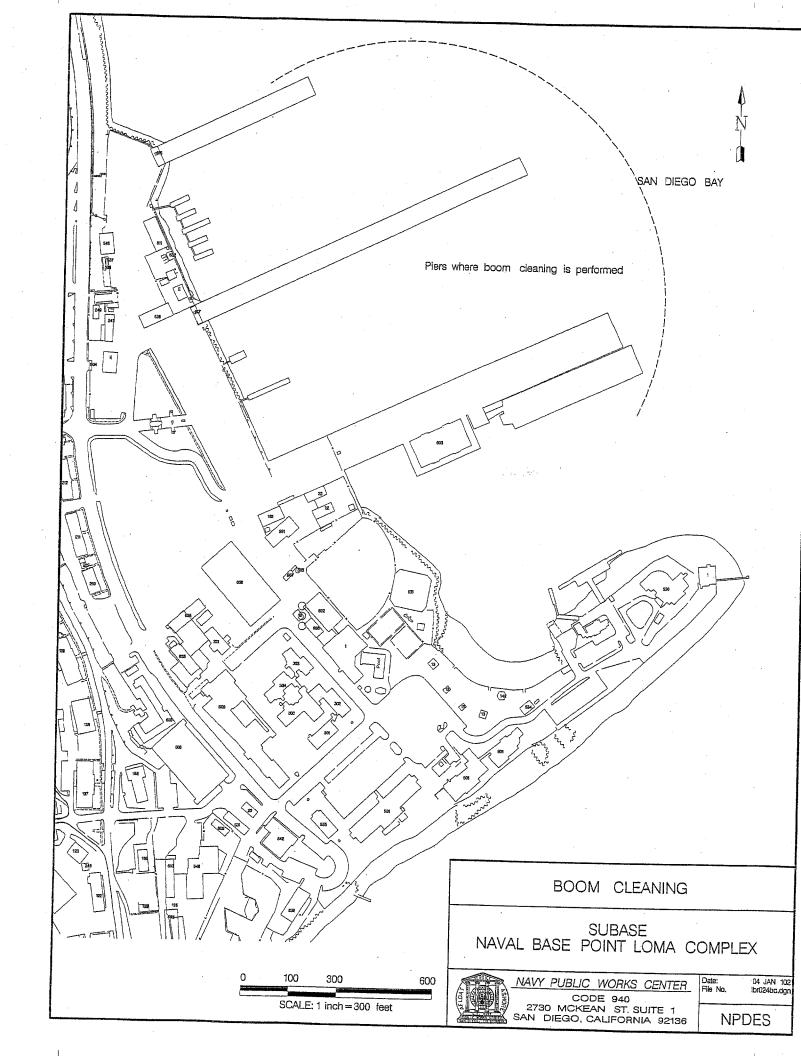


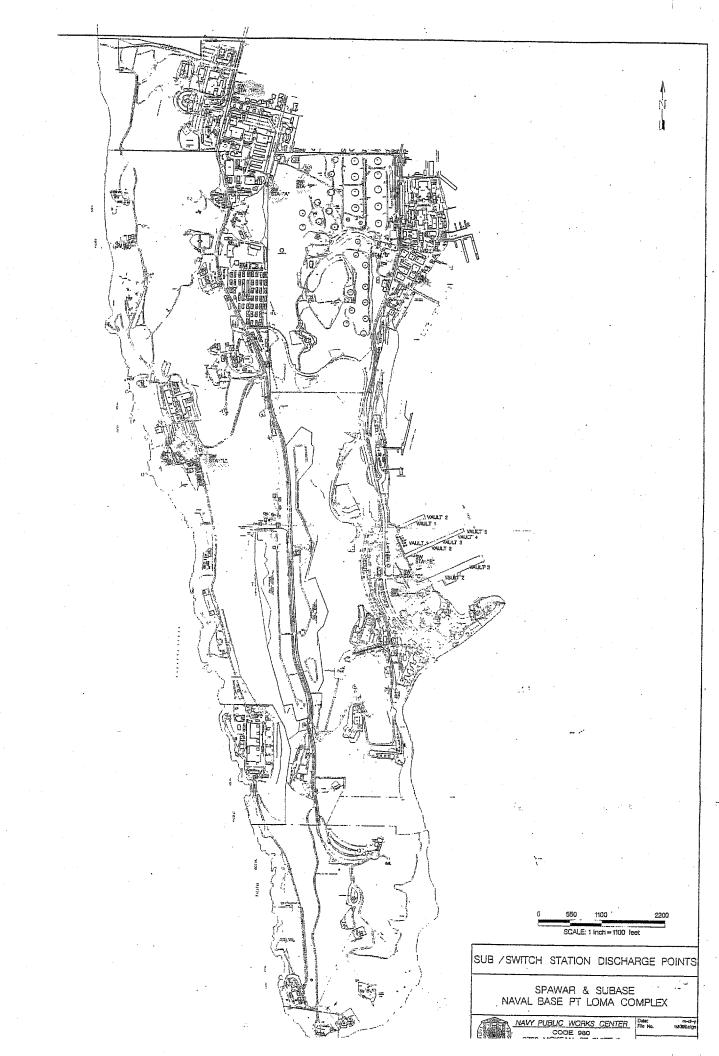


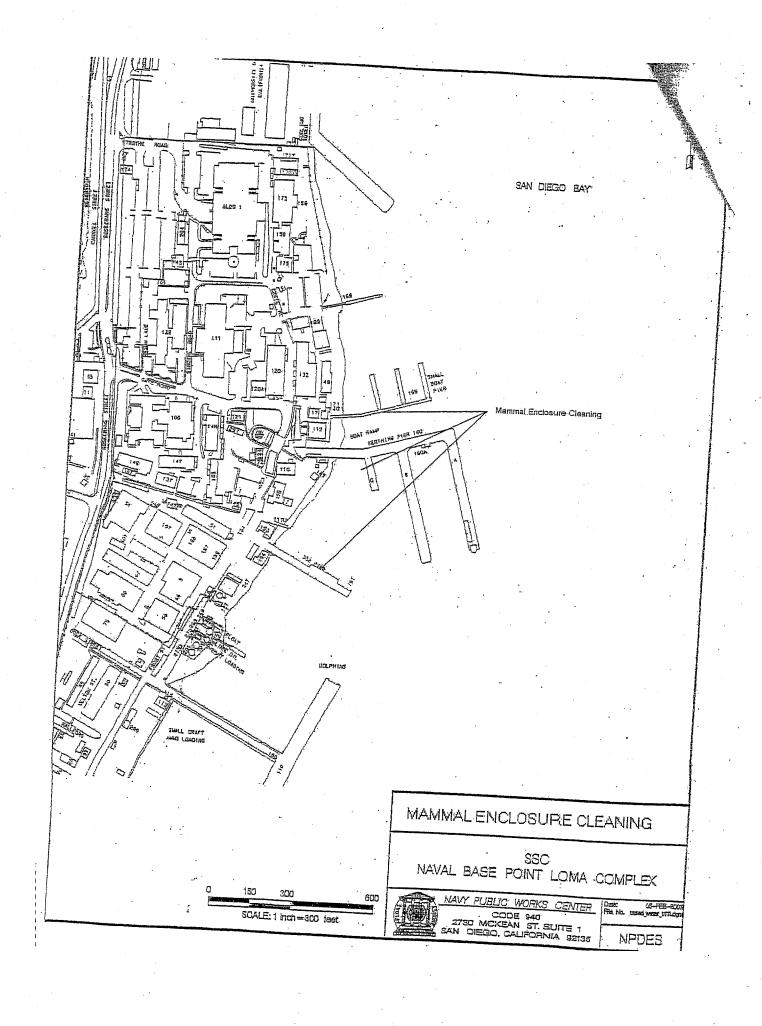


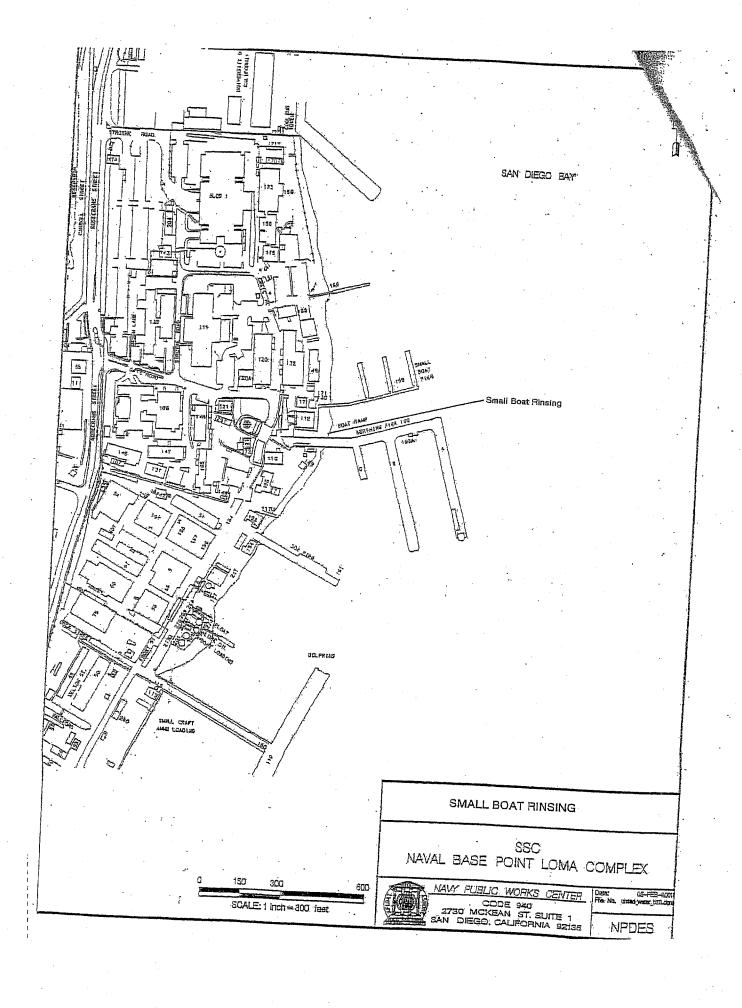












# Attachment B

# Discharge Coordinates

# Tentative Order No. R9-2002-0002

Table 1. Discharge coordinates for SUBASE.

Discharge	Latitude	Longitude
Steam Condensate		
Pier 5000, Steam 1	32°41′19″ north	117°14′16″ west
Steam Condensate		
Pier 5000, Steam 2	32°41′20″ north	117°14′14″ west
Industrial storm water		
discharges, middle pier		
location	32°41′20″ north	117°14′14″ west
ARCO ballast water	32°41′16″ north	117°14′8″ west
Boom cleaning water,		_
middle pier location	32°41′20″ north	117°14′14″ west
Utility Vault, Pier 5000,		0
Vault 1	32°41′20″ north	117°14′15″ west
Utility Vault, Pier 5000,	0.0041.000	44.704.4.4.4
Vault 2	32°41′20″ north	117°14′14″ west
Utility Vault, Pier 5000,	20041401#	117014/10#
Vault 3	32°41′21″ north	117°14′12″ west
Utility Vault, Pier 5000, Vault 4	32°41'22" north	117°14′10″ west
Utility Vault, Pier 5000,	32 41 22 HOLLI	11/14 10 west
Vault 5	32°41′23″ north	117°14′8″ west
Utility Vault, Pier 5002,	32 41 23 1101 (11	117 14 0 West
Vault 2	32°41′17″ north	117°14′7″ west
Utility Vault, Pier 5002,		III / WCDC
Vault 3	32°41′17″ north	117°14′6″ west
Utility Vault, Pier 5003,		127 22 3 11023
Vault 1	32°41′25″ north	117°14′16″ west
Utility Vault, Pier 5003,		
Vault 2	32°41′25″ north	117°14′15″ west
	several	several
Manhole dewatering,	locations,	locations,
landscape runoff, potable	coordinates not	coordinates not
water, and fire system may	included in the	included in the
occur	RWD	RWD

Table 2. Discharge coordinates for MSF.

Discharge	Latitude	Longitude
Diesel engine cooling		
water	32°41′42″ north	117°14′20″ west
Industrial storm water	several	several
	locations,	locations,
	coordinates not	coordinates not
	included in the	included in the
	RWD	RWD
Pier cleaning water occurs		
at several locations along		
the pier	32°41′42″ north	117°14′20″ west
Dolphin pool	32°41′42″ north	117°14′20″ west
Abalone and bioassay**	32°41′42″ north	117°14′20″ west
Manhole dewatering,	several	several
landscape runoff, potable	locations,	locations,
water, and fire system may	coordinates not	coordinates not
occur	included in the	included in the
15 333 3 2	RWD	RWD

 $<sup>\</sup>ensuremath{^{**}\text{Personnel}}$  from SCC San Diego PLC manage the abalone and bioassay facilities and discharges.

Table 3. Discharge coordinates for SSC San Diego PLC.

Discharge	Latitude	Longitude
Dolphin pool	32°41′34″ north	117°14′22″ west
Industrial storm water	several	several
	locations,	locations,
	coordinates not	coordinates not
	included in the	included in the
	RWD	RWD
Small boat rinsing	32°42′13″ north	117°14′7″ west
Mammal enclosure cleaning	32°42′13″ north	117°14′7″ west
Unused Bay water	32°42′18″ north	117°14′16″ west
Manhole dewatering,	several	several
landscape runoff, potable	locations,	locations,
water, and fire system may	coordinates not	coordinates not
occur	included in the	included in the
	RWD	RWD

## ATTACHMENT C

#### ORDER NO. R9-2002-0002

## BASIN PLAN WASTE DISCHARGE PROHIBITIONS

California Water Code Section 13243 provides that a Regional Board, in a water quality control plan, may specify certain conditions or areas where the discharge of waste, or certain types of waste is not permitted. The following discharge prohibitions are applicable to any person, as defined by Section 13050 of the California Water Code, who is a citizen, domiciliary, or political agency or entity of California whose activities in California could affect the quality of waters of the state within the boundaries of the San Diego Region.

- 1. The discharge of waste to waters of the state in a manner causing, or threatening to cause a condition of pollution, contamination, or nuisance as defined in California Water Code Section 13050, is prohibited.
- 2. The discharge of waste to land, except as authorized by waste discharge requirements or the terms described in California Water Code Section 13264 is prohibited.
- 3. The discharge of pollutants or dredged or fill material to waters of the United States except as authorized by an NPDES permit or a dredge or fill material permit (subject to the exemption described in California Water Code Section 13376) is prohibited.
- 4. The discharge of treated or untreated waste to lakes or reservoirs used for municipal water supply, or to inland surface water tributaries thereto, is prohibited.
- 5. The discharge of waste to inland surface waters, except in cases where the quality of the discharge complies with applicable receiving water quality objectives, is prohibited. Allowances for dilution may be made at the discretion of the Regional Board. Consideration would include streamflow data, the degree of treatment provided and safety measures to ensure reliability of facility performance. As an example, discharge of secondary effluent would probably be permitted if streamflow provided 100:1 dilution capability.
- 6. The discharge of waste in a manner causing flow, ponding, or surfacing on lands not owned or under the control of the enrollee is prohibited unless the discharge is authorized by the Regional Board.
- 7. The dumping, deposition, or discharge of waste directly into waters of the state, or adjacent to such waters in any manner that may permit its being transported into the waters, is prohibited unless authorized by the Regional Board.
- 8. Any discharge to a storm water conveyance system that is not composed entirely of "storm water" is prohibited unless authorized by the Regional Board. [Federal Regulations 40 CFR 122.26 (b) defines storm water as storm water runoff, snow melt

- runoff, and surface runoff and drainage.]
- 9. The unauthorized discharge of treated or untreated sewage to waters of the state or to a storm water conveyance system is prohibited.
- 10. The discharge of industrial wastes to conventional septic tank/subsurface disposal systems, except as authorized by the terms described in California Water Code Section 13264, is prohibited.
- 11. The discharge of radioactive wastes amenable to alternative methods of disposal into the waters of the state is prohibited.
- 12. The discharge of any radiological, chemical, or biological warfare agent into waters of the state is prohibited.
- 13. The discharge of waste into a natural or excavated site below historic water levels is prohibited unless the discharge is authorized by the Regional Board.
- 14. The discharge of sand, silt, clay, or other earthen materials from any activity, including land grading and construction, in quantities that cause deleterious bottom deposits, turbidity or discoloration in waters of the state or that unreasonably affect, or threaten to affect, beneficial uses of such waters is prohibited.
- 15. The discharge of treated or untreated sewage from vessels to Mission Bay, Oceanside Harbor, Dana Point Harbor, or other small boat harbors is prohibited.
- 16. The discharge of untreated sewage from vessels to San Diego Bay is prohibited.
- 17. The discharge of treated sewage from vessels to portions of San Diego Bay that are less than 30 feet deep at mean lower low water (MLLW) is prohibited.
- 18. The discharge of treated sewage from vessels that do not have a properly functioning US Coast Guard certified Type I or Type II marine sanitation device to portions of San Diego Bay that are greater than 30 feet deep at MLLW is prohibited.

#### ATTACHMENT D

#### SECTION A: STORM WATER POLLUTION PREVENTION PLAN REQUIREMENTS

# 1. Implementation Schedule

A storm water pollution prevention plan (SWPPP) shall be developed and implemented for each installation discharging industrial storm water discharges as identified in the RWD by the U.S. Navy for NBPL.

The discharger shall continue to implement its existing SWPPP. The discharger shall implement any necessary revisions to its SWPPP to comply with the requirement herein no later than October 1, 2002.

# 2. Objectives

- a. The discharger's SWPPP shall be prepared to achieve these objectives:
  - i. To identify and evaluate sources of pollutants associated with industrial activities that may affect the quality of facility's industrial storm water discharges and authorized non-storm water discharges;
  - ii. To identify, describe and implement site-specific Best Management Practices (BMP) to reduce or prevent pollutants associated with industrial activities in storm water discharges and authorized non-storm water discharges;
  - iii. To identify and implement timely revisions and/or updates to the SWPPP.
- b. To achieve the SWPPP objectives, the discharger shall prepare written facility-specific SWPPP in accordance with all applicable SWPPP requirements of this Section. The SWPPP shall include all required maps, descriptions, schedules, checklists, and relevant copies or specific references to other documents that satisfy the requirements of this Section<sup>1</sup>.

<sup>&</sup>lt;sup>1</sup>Item A-2, located at the end of this Section, summarizes the typical development and implementation steps necessary to achieve the described objectives.

# 3. Planning and Organization

#### a. SWPPP Checklist

Upon completing the facility's SWPPP, the discharger shall prepare the SWPPP Checklist (Item A-1) located at the end of this section. For each requirement listed, the discharger shall identify the page number where the requirement is located in the SWPPP (or the title, page number, and location of any reference documents), the implementation date or last revision date, and any SWPPP requirements that may not be applicable to the facility.

#### b. Pollution Prevention Team

- i. The SWPPP shall identify specific individuals and their positions within the facility organization as members of a storm water pollution prevention team responsible for developing the SWPPP, assisting the facility manager in SWPPP implementation and revision, and conducting all monitoring program activities required in Section B of this Order.
- ii. The SWPPP shall clearly identify the responsibilities, duties, and activities of each team member.
- iii. The SWPPP shall identify, as appropriate, alternate Individuals to perform the required SWPPP and monitoring program activities when team members are temporarily unavailable (due to vacation, illness, out of town meetings, etc.)

# c. Review Other Requirements and Existing Facility Plans

- i. The SWPPP shall be developed, implemented, and revised as necessary to be consistent with any applicable municipal, State, and Federal requirements that pertain to the requirements of this Order. For example, a municipal storm water management agency may require specific BMP implementation activities.
- ii. The SWPPP may incorporate or reference the elements of the discharger's existing plans, procedures, or

regulatory compliance documents that contain storm water pollution control practices or otherwise relate to the requirements of this Order. For example, facilities subject to Federal Spill Prevention Control and Countermeasures' requirements should already have instituted a plan to control spills of certain hazardous materials, or facilities subject to regional air quality emission controls may already have evaluated industrial activities that emit dust or particulate pollutants.

# 4. Site Map

The SWPPP shall include a site map. The site map shall be provided on an  $8-1/2 \times 11$  inch or larger sheet and include notes, legends, north arrow and other data as appropriate to ensure that the site map is clear and understandable. If necessary, the discharger may provide the required information on multiple site maps. The following information shall be included on the site map:

- a. Outlines of the facility boundary, storm water drainage areas within the facility boundary, and portions of any drainage area impacted by discharges from surrounding areas. Identify boundaries of high risk areas. Include the flow direction of each drainage area; on-site surface water bodies; areas of soil erosion; and location(s) of near-by water bodies (such as rivers, lakes, wetlands, etc.) or municipal storm drain inlets that may receive the facility's storm water discharges and authorized non-storm water discharges.
- b. The location of the storm water collection and conveyance system, associated points of discharge, and direction of flow. Include any structural control measures that affect storm water discharges, authorized non-storm water discharges, and run-on. Examples of structural control measures are catch basins, berms, detention ponds, secondary containment, oil/water separators, diversion barriers, etc.
- c. An outline of all impervious areas of the facility, including paved areas, buildings, covered storage areas, or other roofed structures.
- d. Locations where materials are directly exposed to precipitation and the locations where significant spills or

leaks identified in *Description of Potential Pollutant Sources*, Section A.6.a.iv, below, have occurred.

- e. Areas of industrial activity. Identify all storage areas and storage tanks, shipping and receiving areas, fueling areas, vehicle and equipment storage/maintenance areas, material handling and processing areas, waste treatment and disposal areas, dust or particulate generating areas, cleaning and reusing areas, and other of industrial activity which may have potential pollutant sources.
- f. For the SUBASE, identify the high risk areas.

# 5. List of Significant Materials

The SWPPP shall include a list of significant materials handled and stored at the site. For each material on the list, describe the locations where the material is stored, received, shipped, and handled, as well as the typical quantities and frequency. Materials shall include raw materials, intermediate products, final or finished products, recycled materials, and waste or disposed materials.

# 6. <u>Description of Potential Pollutant Sources</u>

a. For each area identified in Section A.4.e, the SWPPP shall include a narrative description of the facility's industrial activities, potential pollutant sources, and potential pollutants that could be exposed to storm water or authorized non-storm water discharges. At a minimum, the following industrial activities shall be described as applicable:

#### i. Industrial Processes

Describe each industrial process including the manufacturing, cleaning, maintenance, recycling, disposal or other activities related to the process. Include the type, characteristics, and approximate quantity of significant materials used in or resulting from the process. Areas protected by containment structures and the corresponding containment capacity shall be identified and described.

### ii. Material Handling and Storage Areas

Describe each handling and storage area, including the type, characteristics, and quantity of significant materials handled or stored, description of the shipping, receiving, and loading procedures, and the spill or leak prevention and response procedures. Areas protected by containment structure and the corresponding containment capacity shall be identified and described.

# iii. Dust and Particulate Generating Activities

Describe all industrial activities that generate dust or particulate pollutants that may be deposited within the facility's boundaries. Include their discharge locations and the type, characteristics, and quantity of dust and particulate pollutants that may be deposited within the facility's boundaries. Identify the primary areas of the facility where dust and particulate pollutants would settle.

# iv. Significant Spills and Leaks

Identify and describe materials that have spilled or leaked in significant quantities in storm water discharges or non-storm water discharges since June 17, 1999. Include toxic chemicals (listed in 40 CFR, Part 302) that have been discharged to storm water as reported on U.S. Environmental Protection Agency (U.S. EPA) Form R, and oil and hazardous substances in excess of reportable quantities (see 40 Code of Federal Regulations [CFR], Parts 110, 117, and 302).

The description shall include the location, characteristics, and approximate quantity of the materials spilled or leaked, the cleanup or remedial actions that have occurred or are planned, the approximate remaining quantity of materials that may be exposed to storm water or non-storm water discharges; and the preventative measures taken to ensure spills or leaks of the material do not reoccur.

#### v. Non-Storm Water Discharges

- (1) Dischargers shall inspect the facility to identify all non-storm water discharges, sources, and drainage areas. All drains (inlets and outlets) shall be evaluated to identify whether they connect to the storm drain system.
- (2) All non-storm water discharges shall be described. The description shall include the source, quantity, frequency, and characteristics of the non-storm water discharges and associated drainage area and shall identify whether the discharge is an authorized or unauthorized non-storm water discharge in accordance with Subsection 11. Examples of unauthorized non-storm water discharges are rinse and wash water (whether detergents are used or not), contact and non-contact cooling water, boiler blowdown, etc.

#### vi. Soil Erosion

Describe the facility locations where soil erosion may occur as a result of industrial activity, storm water discharges associated with industrial activity, or authorized non-storm water discharges.

## 7. Assessment of Potential Pollutant Sources

a. The SWPPP shall include a narrative assessment of all areas of industrial activity and potential pollutant sources as described in A.6. To determine the likelihood that significant materials will be exposed to storm water or authorized non-storm water discharges, the assessment shall include consideration of the quantity, characteristics, and locations of each significant material handled, produced, stored, recycled, or disposed; the direct and indirect pathways that significant materials may be exposed to storm water or authorized non-storm water discharges; history of spills or leaks; non-storm water discharges; prior sampling, visual observation, and inspection records; discharges from adjoining areas; and the effectiveness of existing BMP to reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges.

b. Based upon the assessment above, the SWPPP shall identify any areas of industrial activity and corresponding pollutant sources where significant materials are likely to be exposed to storm water or authorized non-storm water discharges and where additional BMP are necessary to reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges.

# 8. Storm Water Best Management Practices

a. The SWPPP shall include a narrative description of each BMP implemented at the facility. The BMP, when developed and implemented, shall be effective in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges.

The BMP narrative description shall include:

- i. The type of pollutants the BMP is designed to reduce or prevent.
- ii. The frequency, time(s) of day, or conditions when the BMP is scheduled for implementation.
- iii. The locations within each area of industrial activity or pollutant source where the BMP shall be implemented.
- iv. Identification of the person and/or position responsible for implementing the BMP.
- v. The procedures, including maintenance procedures, and/or instructions to implement the BMP.
- vi. The equipment and tools necessary to implement the BMP.
- b. The discharger shall consider non-structural BMP for implementation at the facility. Non-structural BMP generally consist of processes, prohibitions, procedures, training, schedule of activities, etc., that prevent pollutants associated with industrial activity from contacting with storm water discharges and authorized non-storm water discharges. Below is a list of non-structural BMP that shall be considered:
  - i. Good Housekeeping

Good housekeeping generally consists of practical procedures to maintain a clean and orderly facility.

## ii. Preventative Maintenance

Preventative maintenance includes the regular inspection and maintenance of storm water structural controls (i.e. catch basins, oil/water separators, etc.) as well as other facility equipment and systems.

# iii. Spill Response

This includes spill clean-up procedures and necessary clean-up equipment based upon the quantities and locations of significant materials that may spill or leak.

# iv. Material Handling and Storage

This includes all procedures to minimize the potential for spills and leaks and to minimize exposure of significant materials to storm water and authorized non-storm water discharges.

## v. Employee Training Program

This includes the development of a program to train personnel responsible for implementing the various compliance activities of this Order including BMP implementation, inspections and evaluations, monitoring activities, and storm water compliance management. The training program shall include:

- (1.) A description of the training program and any training manuals or training materials.
- (2.) A discussion of the appropriate training frequency.
- (3.) A discussion of the appropriate personnel to receive training.
- (4.) A training schedule.

(5.) Documentation of all completed training classes and the personnel who received training.

## vi. Waste Handling/Recycling

This includes the procedures or processes to handle, store, or dispose of waste or recyclable materials.

# vii. Record Keeping and Internal Reporting

This includes the procedures to ensure that all records of inspections, spills, maintenance activities, corrective actions, visual observations, etc., are developed, retained, and provided, as necessary to the appropriate facility personnel.

#### viii. Erosion Control and Site Stabilization

This includes a description of all sediment and erosion control activities. This may include the planting and maintenance of vegetation, diversion of run-on and runoff, placement of sandbags, silt screens, or other sediment control devices, etc.

#### ix. Inspections

Periodic visual inspections of a facility are necessary to ensure that the SWPPP addresses any significant changes to the facility's operations or BMP implementation procedures.

- (1.) A minimum of four quarterly visual inspections of all areas of industrial activity and associated potential pollutant sources shall be completed each reporting year. The annual comprehensive site compliance evaluation described in subsection 9 may substitute for one of the quarterly inspections.
- (2.) Tracking and follow-up procedures shall be described to ensure appropriate corrective actions and/or SWPPP revisions are implemented.

- (3.) A summary of the corrective actions and SWPPP revisions resulting from quarterly inspections shall be reported in the annual report.
- (4.) Dischargers shall certify in the annual report that each quarterly visual inspection was completed.
- (5.) All corrective actions and SWPPP revisions shall be implemented in accordance with subsection 10.d and e.

# x. Quality Assurance

This includes the management procedures to ensure that the appropriate staff adequately implements all elements of the SWPPP and Monitoring Program.

#### c. Structural BMP

Where non-structural BMP identified in Section A.8.b above are not effective, structural BMP shall be considered. Structural BMP typically consist of structural devices that reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges. Below is a list of structural BMP that shall be considered:

#### i. Overhead Coverage

This includes structures that protect materials, chemicals, and pollutant sources from contact with storm water and authorized non-storm water discharges.

#### ii. Retention Ponds

This includes basins, ponds, surface impoundment, bermed areas, etc. that do not allow storm water to discharge from the facility.

#### iii. Control Devices

This includes berms or other devices that channel or route run-on and runoff away from pollutant sources.

#### iv. Secondary Containment Structures

This includes containment structures around storage tanks and other areas that collect any leaks or spills.

#### v. Treatment

This includes inlet controls, infiltration devices, oil/water separators, detention ponds, vegetative swales, etc., which reduce the pollutants in storm water discharges and authorized non-storm water discharges

d. The SWPPP shall include a summary identifying each area of industrial activity and associated pollutant sources, pollutants, and BMP in a table similar to Item A-3 at the end of this section.

# 9. Annual Comprehensive Site Compliance Evaluation

The discharger shall conduct one comprehensive site compliance evaluation (evaluation) in each reporting period (July 1-June 30). Evaluations shall be conducted no less than 8 months from each other. The SWPPP shall be revised, as appropriate, and the revisions implemented within 90 days of the evaluation. Evaluations shall include the following:

- a. A review of all visual observation records, inspection records, and sampling and analysis results.
- b. A visual inspection of all areas of industrial activity and associated potential pollutant sources for evidence of, or the potential for, pollutants entering the drainage system. A visual inspection of equipment needed to implement the SWPPP.
- c. A review and evaluation of all BMP, both structural and non-structural, for each area of industrial activity and associated potential pollutant sources to determine whether the BMP are properly designed, implemented, and are effective in reducing and preventing pollutants in storm water discharges and authorized non-storm water discharges.

- d. An evaluation report that includes:
  - i. Identification of personnel performing the evaluation,
  - ii. Date(s) of the evaluation,
  - iii. Summary and implementation dates of all significant corrective actions and SWPPP revisions for the reporting year,
  - iv. Schedule for implementing any incomplete corrective actions and SWPPP revisions,
  - v. Any incidents of non-compliance and the corrective actions taken, and
  - vi. A certification that the discharger has completed the quarterly inspections specified in Storm Water Best Management Practices, Subsection 8.b.ix, above and that the discharger is complying with this Order. If the above certification cannot be provided, explain in the evaluation report why the discharger is not complying with this Order.
  - vii. The evaluation report shall be submitted as part of the annual report, retained for at least five years, and signed and certified in accordance with *Reporting Requirement F.11* of this Order.

# 10. SWPPP General Requirements

- a. The SWPPP shall be retained at the facility and made available upon request of a representative of the Regional Water Board or local storm water management agency (local agency).
- b. Upon notification by the Regional Board and/or local agency that the SWPPP does not meet one or more of the minimum requirements of this Section, the discharger shall revise the SWPPP and implement additional BMP that are effective in reducing and eliminating pollutants in storm water discharges and authorized non-storm water discharges. As requested, the discharger shall provide an implementation schedule and/or completion certification to the Regional Board and/or local agency.

- c. The SWPPP shall be revised, as appropriate, and implemented prior to changes in industrial activities, which;
  - may significantly increase the quantities of pollutants in storm water discharge; or
  - cause a new area of industrial activity at the facility to be exposed to storm water; or
  - begin an industrial activity that would introduce a new pollutant source at the facility.
- d. The discharger shall revise the SWPPP and implement the appropriate BMP in a timely manner and in no case more than 90 days after a discharger determines that the SWPPP is in violation of any Order requirement.
- e. When any part of the SWPPP is infeasible to implement by the deadlines specified above due to proposed significant structural changes, the discharger shall:
  - i. Submit a report to the Regional Board that:
    - (1.) identifies the portion of the SWPPP that is infeasible to implement by the deadline;
    - (2.) provides justification for a time extension, provides a schedule for completing and implementing that portion of the SWPPP; and
    - (3.) Describes the BMP that will be implemented in the interim period to reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges.
  - ii. Comply with any request by the Regional Board to modify the report required in Subsection i. or provide certification that the SWPPP revisions have been implemented.
- f. The SWPPP shall be provided, upon request, to the Regional Board, local storm water management agency, or Compliance Inspection Designees. The Regional Board under Section 308(b)

of the Clean Water Act considers the SWPPP a report that shall be available to the public.

# 11. Authorized Non-Storm Water Discharges Special Requirements

- a. The following non-storm water discharges are authorized provided they satisfy the conditions of subsection b, below:
  - i. fire-hydrant flushing;
  - ii. potable water sources, including potable water related
     to the operation, maintenance, or testing of potable
     water systems;
  - iii. drinking fountain water; atmospheric condensate, including refrigeration, air conditioning, and compressor condensate;
  - iv. irrigation drainage and landscape watering;
  - v. natural springs, ground water, and foundation and footing drainage; and
  - vi. Seawater infiltration where the seawater is discharged back into the sea water source.
- b. The non-storm water discharges identified in subsection a. are authorized by this Order if all the following conditions are satisfied:
- i. The non-storm water discharges comply this Order.
- ii. The non-storm water discharges comply with local agency ordinances and requirements.
- iii. BMP are specifically included in the SWPPP to: (1) prevent or reduce the contact of non-storm water discharges with significant materials or equipment, and (2) minimize, to the extent practicable, the flow or volume of non-storm water discharges.
- iv. The non-storm water discharges do not contain significant quantities of pollutants.

- v. The monitoring program includes quarterly visual observations of non-storm water discharges and sources to ensure adequate BMP implementation and effectiveness.
- vi. The non-storm water discharges are reported and described in the annual report.
- c. This Regional Board or local storm water management agency may establish additional monitoring and reporting requirements for any non-storm water discharge authorized by this Order.
- d. Discharges from fire fighting activities are authorized by this Order and are not subject to the conditions of subsection 11.b.

#### **DEFINITIONS**

- 1. Best Management Practices (BMP) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. The BMP also include treatment measures, operating procedures, and practices to control facility site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. The BMP may include any type of pollution prevention and pollution control measure necessary to achieve compliance with this Order.
- 2. Clean Water Act (CWA) means the Federal Water Pollution Control Act enacted by Public Law 92-500 as amended by Public Laws 95-217, 95-576, 96-483, and 97-117; 33 USC. 1251 et seq.
- 3. Facility is a collection of industrial processes discharging storm water associated with industrial activity within the property boundary or operational unit.
- 4. Non-Storm Water Discharge means any discharge to storm sewer systems that is not composed entirely of storm water.
- 5. Significant Materials includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101(14) of Comprehensive Environmental Response, Compensation, and Liability Act (CERLCA); any chemical the facility is required to report pursuant to Section 313 of Title III of Superfund Amendments and Reauthorization Act (SARA); fertilizers; pesticides; and waste products such as ashes, slag, and sludge that have the potential to be released with storm water discharges.
- 6. Significant Quantities is the volume, concentrations, or mass of a pollutant that can cause or threaten to cause pollution, contamination, or nuisance; adversely impact human health or the environment; and/or cause or contribute to a violation of any applicable water quality standards for the receiving water.
- 7. Significant Spills includes, but is not limited to: releases of oil or hazardous substances in excess of

- reportable quantities under Section 311 of the CWA (see 40 CFR 110.10 and 117.21) or Section 102 of CERCLA (see 40 CFR 302.4).
- 8. Storm water means storm water runoff, snowmelt runoff, and storm water surface runoff and drainage. It excludes infiltration and runoff from agricultural land.
- 9. Storm water discharge associated with industrial activity means the discharge from any conveyance that is used for collecting and conveying storm water and that is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program under 40 CFR Part 122. For the facilities identified in the Fact Sheet of this Order, the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or byproducts used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters; sites used for residual treatment, storage areas (including tank farms) for raw materials, and intermediate and final products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. For the purposes of this paragraph, material handling activities include storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product, by-product or waste The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are federally, State, or municipally owned or operated that meet the description of the facilities referenced in this paragraph) include those facilities designated under 40 CFR 122.26(a)(1)(v).

#### ACRONYM LIST

BAT Best Available Technology Economically Achievable
BCT Best Conventional Pollutant Control Technology

BMP Best Management Practices

CERCLA Comprehensive Environmental Response, Compensation, and

Liability Act of 1980 (Federal Superfund)

CFR Code of Federal Regulations

CWA Clean Water Act

Order General Industrial Activities Storm Water Permit

GMP Group Monitoring Plan
NEC No Exposure Certification

NOI Notice of Intent

NOT Notice of Termination

NPDES National Pollutant Discharge Elimination System

O&G Oil and Grease

RCRA Resource, Conservation, and Recovery Act

Regional Board Regional Water Ouality Control Board

RQ Reportable Quantity

SARA Superfund Amendments and Reauthorization Act of 1986

SIC Standard Industrial Classification

SMCRA Surface Mining Control and Reclamation Act
SPCC Spill Prevention Control and Countermeasures
State Board State Water Resources Control Board

SWPPP Storm Water Pollution Prevention Plan

TOC Total Organic Carbon
TSS Total Suspended Solids

U.S. EPA U.S. Environmental Protection Agency

WDID Waste Discharger Identification
WDR Waste Discharge Requirement

# ITEM A-1

# STORM WATER POLLUTION PREVENTION PLAN CHECKLIST

FACILITY NAME	
WDID#	
FACILITY CONTACT	CONSULTANT CONTACT
Name	Name
Title	Title
Company	Company
Street Address	Street Address
City, State	City, State
Zip	Zip

STORM WATER POLLUTION PREVENTION PLAN		Not Applicable	SWPPP Page # or Reference Location	Date Implemented or Last Revised
Signed Certification (F. 11, Reporting F	Requirements)			
Pollution Prevention Team	(A.3.b)			
Existing Facility Plans	(A.3.c)			
Facility Site Map(s)				
Facility boundaries	(A.4.a)			
Drainage areas	(A.4.a)			
Direction of flow	(A.4.a)			
On-site water bodies	(A.4.a)			
Areas of soil erosion	(A.4.a)			
Nearby water bodies	(A.4.a)			
Municipal storm drain inlets	(A.4.a)			
Points of discharge	(A.4.b)			
Structural control measures	(A.4.b)			
Impervious areas	(A.4.c)			
(paved areas, buildings, covered areas, roc	ofed areas)			
Location of directly exposed materials	(A.4.d)			
Locations of significant spills and leaks	(A.4.d)			
Storage areas / Storage tanks	(A.4.e)			
Shipping and receiving areas	(A.4.e)			
Fueling areas	(A.4.e)			
Vehicle and equipment storage and mainte	nance (A.4.e)			
Material handling / Material processing	(A.4.e)			
Waste treatment / Waste disposal	(A.4.e)			
Dust generation / Particulate generation	(A.4.e)			
Cleaning areas / Rinsing areas	(A.4.e)			
Other areas of industrial activities	(A.4.e)			
For the SUBASE, high risk area	(A.4.f)			

# **List of Significant Materials (A.5)**

For each material listed:		
Storage location		
Receiving and shipping location		
Handling location		
Quantity		
Frequency		

# **Description of Potential Pollution Sources (A.6)**

Industrial processes	(A.6.a.i)		
Material handling and storage areas	(A.6.a.ii)		
Dust and particulate generating activities	(A.6.a.iii)		
Significant spills and leaks	(A.6.a.iv)		
Non-storm water discharges	(A.6.a.v)		
Soil erosion	(A.6.a.vi)		

# Assessment of Potential Pollutant Sources (A.7)

Areas likely to be sources of pollutants	(A.7.a)		
Pollutants likely to be present	(A.7.b)		

# **Storm Water Best Management Practices (A.8)**

Non-structural BMP	(A.8.b)	
Good housekeeping	(A.8.b.i)	
Preventative maintenance	(A.8.b.ii)	
Spill response	(A.8.b.iii)	
Material handling and storage	(A.8.b.iv)	
Employee training	(A.8.b.v)	
Waste handling / Waste recycling	(A.8.b.vi)	
Recordkeeping and internal reporting	(A.8.b.vii)	
Erosion control and site stabilization	(A.8.b.viii)	
Inspections	(A.8.b.ix)	
Quality assurance	(A.8.b.x)	
Structural BMP	(A.8.c)	
Overhead coverage	(A.8.c.i)	
Retention ponds	(A.8.c.ii)	
Control devices	(A.8.c.iii)	
Secondary containment structures	(A.8.c.iv)	
Treatment	(A.8.c.v)	
Industrial Activity BMP/ Pollutant Summary	(A.8.d)	

# Annual Comprehensive Site Compliance Evaluation (A.9)

Review of visual observations,	(A.9.a)		
inspections, and sampling analysis			
Visual inspection of potential pollution se	ources (A.9.b)		
Review and evaluation of BMP	(A.9.c)		
Evaluation report	(A.9.d)		

# ITEM A-2 FIVE PHASES FOR DEVELOPING AND IMPLEMENTING INDUSTRIAL STORM WATER POLLUTION PREVENTION PLANS

# **PLANNING AND ORGANIZATION**

- \*Form Pollution Prevention Team
- \*Review other plans

# $\downarrow$

#### **ASSESSMENT PHASE**

- \*Develop a site map
- \*Identify potential pollutant sources
- \*Inventory of materials and chemicals
- \*List significant spills and leaks
- \*Identify non-storm water discharges
- \*Assess pollutant risks



#### **BEST MANAGEMENT PRACTICES IDENTIFICATION PHASE**

- \*Non-structural BMP
- \*Structural BMP
- \*Select activity and site-specific BMP



# **IMPLEMENTATION PHASE**

- \*Train employees
- \*Implement BMP
- \*Collect and review records



#### **EVALUATION / MONITORING**

- \*Conduct annual site evaluation
- \*Review monitoring information
- \*Evaluate BMP
- \*Review and revise SWPPP

# ITEM A-3 EXAMPLE

# ASSESSMENT OF POTENTIAL POLLUTION SOURCES AND CORRESPONDING BEST MANAGEMENT PRACTICES SUMMARY

Area	Activity	Pollutant Source	Pollutant	Best Management Practices
Vehicle & Equipment Fueling	Fueling	Spills and leaks during delivery	fuel oil	<ul> <li>Use spill and overflow protection</li> <li>Minimize run-on of storm water into the fueling area</li> <li>Cover fueling area</li> <li>Use dry cleanup methods rather than hosing down area</li> <li>Implement proper spill prevention control program</li> <li>Implement adequate preventative maintenance program to preventive tank and line leaks</li> <li>Inspect fueling areas regularly to detect problems before they occur</li> <li>Train employees on proper fueling, cleanup, and spill response techniques.</li> </ul>
		Spills caused by topping off fuel tanks	fuel oil	
		Hosing or washing down fuel area	fuel oil	
		Leaking storage tanks	fuel oil	
		Rainfall running off fueling area, and rainfall running onto and off fueling area	fuel oil	

Tentative Order No. R9-2002-0002

#### ATTACHMENT E

#### ORDER NO. R9-2002-0002

#### STANDARD PROVISIONS

- 1. The following sections of 40 CFR are incorporated into this permit by reference:
  - a. 122.5 Effect of a permit
  - b. 122.21 Application for a permit
  - c. 122.22 Signatories to permit applications and reports
  - d. 122.41 Conditions applicable to all permits
  - e. 122.61 Transfer of permits
  - f. 122.62 Modification or revocation of permits
  - g. 122.63 Minor modifications of permits
  - h. 122.64 Termination of permits
- 2. Review and revision of permit: Upon application by any affected person, or on its own motion, the Regional Board may review and revise this permit. [CWC §13263(e)]
- 3. *Termination or modification of permit*: This permit may be terminated or modified for causes, including, but not limited to, all of the following:
  - (a) Violation of any condition contained in this permit.
  - (b) Obtaining this permit by misrepresentation, or failure to disclose fully all relevant facts.
  - (c) A change in any condition that requires either a temporary of permanent reduction or elimination of the permitted discharge. [CWC §13381]
- 4. *Material change*: Not less than 180 days prior to any material change in the character, location, volume, or amount of waste discharge, the discharger shall submit a technical report describing such changes. Such changes include but are not limited to the following:
  - (a) Addition of a major industrial waste discharge to a discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the waste.
  - (b) Significant change in disposal method, e.g., change from land disposal to a direct discharge to water, or change in the method of treatment which would significantly alter the characteristics of the waste.
  - (c) Significant change in the disposal area, e.g., moving the discharge to another drainage area, to a different water body, or to a disposal area significantly removed from the original area potentially causing different water quality or nuisance problems.
  - (d) Increase in flow beyond that specified in the waste discharge requirements.
  - (e) Increase in area or depth to be used for solid waste disposal beyond that specified

- in the waste discharge requirements. [CWC 13372, 13376, 13264, 23 CCR 2210]
- (f) Any substantial change in the amount or characteristics of pollutants used, handled, stored, or generated.
- (g) Any new discharge of pollutants or new potential pollutant source.
- (h) Other circumstances which could result in a material change in the character, amount, or location of discharges. [CWC 13372, 13264,23 CCR 2210]
- 5. *Transfers*: When this permit is transferred to a new owner or operator, such requirements as may be necessary under the California Water Code may be incorporated into this permit.
- 6. *Conditions not stayed*: The filing of a request by the Discharger for modification, revocation and reissuance, or termination of this Order, or a notification of planned change in or anticipated noncompliance with this Order does not stay any condition of this Order.
- 7. *Monitoring and Reporting Program*: The Discharger shall conduct monitoring and submit reports in accordance with *Monitoring and Reporting Program (MRP) No. R9-2002-0002*. Monitoring results shall be reported at the intervals specified in *MRP No. R9-2002-0002*. [CWC 13267 & 13383, 23 CCR 2230, 40 CFR 122.43(a), 122.44(l)(4), 122.48]
- 8. *Availability*: A copy of this Order shall be kept at a readily accessible location at the facility and shall be available to on-site personnel at all times.
- 9. Duty to minimize or correct adverse impacts: The discharger shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.
- 10. Responsibilities, liabilities, legal action, penalties: The Porter-Cologne Water Quality Control Act provides for civil and criminal penalties comparable to, and in some cases greater than, those provided for under the Clean Water Act (CWA). [CWC §13385, 13387]

Nothing in this Order shall be construed to protect the discharger from its liabilities under federal, state, or local laws. Except as provided for in 40 CFR 122.41(m) and (n), nothing in this Order shall be construed to relieve the discharger from civil or criminal penalties for noncompliance.

Nothing in this Order shall be construed to preclude the institution of any legal action or relieve the discharger from any responsibilities, liabilities, or penalties to which the discharger is or may be subject to under Section 311 of the CWA.

Nothing in this Order shall be construed to preclude institution of any legal action or

- relieve the discharger from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authoring preserved by Section 510 of the CWA
- 11. *Noncompliance*: Any noncompliance with this permit constitutes violation of the California Water Code and is grounds for denial of an application for permit modification. [40 CFR 122.41 (a)]
- 12. *Discharge is a privilege*: No discharge of waste into waters of the state, whether or not the discharge is made pursuant to waste discharge requirements, shall create a vested right to continue the discharge. All discharges of waste into waters of the state are privileges, not rights. [CWC §13263(g)]
- 13. *Permittee*: For the purposes of this permit, the term "permittee" used in parts of 40 CFR incorporated into this permit by reference and/or applicable to this permit shall have the same meaning as the term "discharger" used elsewhere in this permit.
- 14. *Director*: For the purposes of this permit, the term "Director" used in parts of 40 CFR incorporated into this permit by reference and/or applicable to this permit shall have the same meaning as the term "Regional Board" used elsewhere in this permit, except that in 40 CFR 122.41(h) & (i), "Director" shall mean "Regional Board, SWRCB, and USEPA."
- 15. *Effective date*: This Order shall become effective ten days after the date of its adoption provided the USEPA Regional Administrator has no objection. If the Regional Administrator objects to its issuance, this Order shall not become effective until such objection is withdrawn.
- 16. Expiration: This Order expires October 10, 2006. [40 CFR 122.43, 122.44(h), 122.46]
- 17. *Continuation of expired permit*: After this permit expires, the terms and conditions of this permit are automatically continued pending issuance of a new permit if all requirements of the federal NPDES regulations on the continuation of expired permits are complied with. [40 CFR 122.6, 23 CCR 2235.4]
- 18. *Applications*: Any application submitted by the discharger for reissuance or modification of this permit shall satisfy all applicable requirements specified in federal regulations as well as any additional requirements for submittal of a Report of Waste Discharge specified in the California Water Code and the California Code of Regulations.
- 19. *Confidentiality*: Except as provided for in 40 CFR 122.7, no information or documents submitted in accordance with or in application for this permit will be considered confidential, and all such information and documents shall be available for review by the public at the office of the Regional Board.
- 20. *Severability*: The provisions of this order are severable, and if any provision of this Order, or the application of any provisions of this Order to any circumstance, is held invalid, the

- application of such provision to other circumstances and the remainder of this order shall not be affected thereby.
- 21. *Discharge Monitoring Quality Assurance (DMQA) Program*: Then Discharger shall conduct appropriate analyses on any sample provided by EPA as part of the DMQA program. The results of such analyses shall be submitted to EPA's DMQA manager. [SWRCB/USEPA 106 MOA]
- 22. *Pollution, Contamination, Nuisance*: The handling, transport, treatment, or disposal of waste or the discharge of waste to waters of the state in a manner which causes or threatens to cause a condition of pollution, contamination, or nuisance, as those terms are defined in CWC 13050, is prohibited.
- 23. Additional Reporting Requirements: [40 CFR 122.42(a)] In addition to the reporting requirements under 40 CFR 122.41 (l), all existing manufacturing, commercial, mining, and silvicultural discharges must notify the Regional Board as soon as they know or have reason to believe:
  - (1) That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, of that discharge will exceed the highest of the following "notification levels:"
    - (a) One hundred micrograms per liter (100  $\mu$ g/l);
    - (b) Two hundred micrograms per liter (200  $\mu$ g/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500  $\mu$ g/l) for 2, 4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
    - (c) The level established by the Regional Board in accordance with 40 CFR 122.44(f).
  - (2) That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
    - (a) Five hundred micrograms per liter (500  $\mu$ g/l)
    - (b) One milligram per liter (1 mg/l) for antimony;
    - (c) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR 122.21(g)(7).
    - (d) The level established by the Regional Board in accordance with 40 CFR 122.44(f).
- 24. *Report Submittal*: The discharger shall submit reports and provide notifications as required by this Order in accordance with the following:

a. Reports required to be submitted to this Regional Board shall be sent to:

Industrial Compliance Unit California Regional Water Quality Control Board San Diego Region 9174 Sky Park Court San Diego, California 92123-4340

Notifications required to be provided to this Regional Board shall be made to:

Telephone - (858) 467-2952 or Facsimile - (858) 571-6972

b. Reports required to be submitted to the USEPA shall be sent to:

U.S. Environmental Protection Agency Region IX WTR-7 (DMR) 75 Hawthorne Street San Francisco, California 94105